

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A method of identifying devices using an IPv6 address, the method comprising:

providing an interface ID area comprising a company ID area and a serial number area using an EUI-64 ID format; and

identifying the devices using device ID information for identifying types of the devices recorded in an unused area in ~~a~~the company ID area of an interface ID area, using an EUI-64 ID format, the unused area in the company ID area being an area excluding a used area used for representing the company ID in the company ID area, and using unique numbers assigned to devices recorded in the serial number area,

~~storing said identified devices in a memory wherein the unused area in the company ID area is an area excluding a used area used for representing manufacturers of the devices in the company ID area.~~

2. (canceled).

3. (previously presented): The method of claim 1, wherein the company ID area comprises a U-bit area and a G-bit area.

4. (canceled).

5. (currently amended): A computer readable recording medium having recorded thereon computer code for executing a method of identifying devices using an IPv6 address, the method comprising:

providing an interface ID area comprising a company ID area and a serial number area using an EUI-64 ID format; and

identifying the devices using device ID information for identifying types of the devices recorded in an unused area in the company ID area and using unique numbers assigned to devices recorded in the serial number area,

wherein the unused area in the company ID area is an area excluding a used area used for representing manufacturers of the devices in the company ID area~~on which a data structure formed according to an IPv6 address for identifying devices is recorded, wherein the data structure includes a network ID area for identifying networks to which the devices are connected and an interface ID area for identifying addresses of the devices on the networks, where the interface ID area comprises a company ID area for identifying manufacturers of the devices and a serial number area for identifying unique numbers assigned to the devices, and where the company ID area comprises a used area used for representing the company ID and a device ID area for identifying types of the devices, the device ID area being an area excluding the used area in the company ID area,~~

~~wherein the types of the devices are stored in a memory.~~

6. (currently amended): The computer readable recording medium of claim 5, wherein the company ID area comprises a U-bit area and a G-bit area.